ACCESSION NR: AP5008352 S/0021/65/000/003/0296/0299 /8 ACCESSION NR: AP5008352 S/0021/65/000/003/0296/0299 /8 AUTHOR: Sarhiyenko, I.V. (Sergiyenko, I.V.) BITTLE: A method of finding extremum solutions in one class of problems SOURCE: AN UkrRSR. Dopovidi, no. 3, 1165, 296, 299 TOPIC TAGS: automatic control, extremum solution, solution algorithm // ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 ,, E^{N_2} . Each object E^1 corresponds to a part of the i-th type, and it is required to process N_1 ($N_1 \le N_0$) parts. Suppose that the set M is an ensemble of points z which are process N_1 ($N_1 \le N_0$) parts. Suppose that the set M is an ensemble of points z which are defined as follows: The point $z = z$ $\{Q_1, \ldots, Q_{N_1}, n(1), \ldots, n(N_1)\}$ of the set M will be an ensemble of object locations Q_1 , Q_2 ,, Q_{N_1} and of integers $n(1)$, $n(2)$,, $n(N_1)$ if for every i $(1 \le i \le N_1)$ Q_i are the locations of the object $E^{n(1)}$, if the locations Q_1 are mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M consists of all points z mutually compatible and if $H(Q_1, Q_2 \ldots Q_{N_1}) > 0$. The set M				
AUTHOR: Serhivenko, I.V. (Sergiyenko, I.V.) \mathcal{B} TITLE: A method of finding extremum solutions in one class of problems SOURCE: AN UkrRSR. Dopovidi, no. 3, 1465, 296, 299 TOPIC TAGS: automatic control, extremum solution, solution algorithm ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_2 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are N_2 ($N_1 \le N_0$) types E^1 . ABSTRACT: Let there be given N_0 objects, among which there are $N_1 \le N_0$ types N_0 types N		S/0021/65/000/003/0296/0	17	The state of the s
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ACCESSION NR: AP50083	W. C. and n(t) correspond to the point z, and if for any	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$K(Q_1 + Q_2 + + Q_{N_1}), W$	there all Q _i and n(i) correspond to the point z, and if for any is a bounded, decaying and continuous function of to every point z \(\infty \) M there corresponds a defined sequence of the class	
fixed sequence $\{n(1), n(2), n(3), n(3), n(4), $	is a bounded, decaying and continuous function of the class of every point $z \in M$ there corresponds a defined sequence of machinery for N_1 parts. Thus, for each function f of the class machinery for N_1 parts. Thus, for each function f of the class a point z at which $f(z)$ is optimized in some sense. Selecting, a point z at which $f(z)$ is optimized in problems which should be	A CONTRACTOR
loading of the process—s	at which f(Z) 18 optimize and the which should be	
F it is necessary with	remains a class V. or pro-the author in	
investigated. Boldmon	Him 5 15, 1964). If u(z) is designed in a (< N ₁) and	
point z & M, i.e. u(z) is	tika, 5, 15, 1964). If $u(z)$ is designated as the violatika, 5, 15, 1964). If $u(z)$ is designated as the violatical and a set of points $z' \in M$ such that for some i ($1 \le i \le N_1$) and a set of points $z' \in M$ such that for some i ($1 \le i \le N_1$) and a set of points $z' \in M$ such that for some i ($1 \le i \le N_1$) and $2i \le i \le N_1$ and $2i \le N$	
some real number $H(Q_i)$ > $H(Q_i)$, then		
for m(eh		
	for the class of problems T there exists a constructive	
and it can be shown that	for the class of problems T there exists a constructive	
and it can be shown that algorithm for	for the class of problems $\sum_{z\in V_{(\mu^{2}(z))}}$ there exists a constructive $f(z)=\frac{1}{2}(f(z)-\sup_{z\in V_{(\mu^{2}(z))}}f(z')).$ (2)	
and it can be shown that algorithm for	for the class of problems $\overline{\mathbf{D}}$ there exists a constructive $f_{(p,x)}(z) = i(f(z) - \sup_{z \in V_{(p,x)}(z)} f(z')). \tag{2}$	
and it can be shown that algorithm for	for the class of problems \sum there exists a constructive $f_{f,\mu,z}(z) = \delta(f(z) - \sup_{z \in V_{f,\mu,z}(z)} f(z')). \tag{2}$	

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ACCESSION NR: AP5008352

which in the case of $r_{i,n}x(z) = -1$ allows one to determine the point $z' \in V_{i,n}x(z)$, where

f(z') > f(z) and where

 $s(x) = \begin{cases} -1 & \text{при } x < 0 \\ +1 & \text{при } x > 0. \end{cases}$

(3)

If for all i, $n^{x}r_{1,n}x(^{z}0) = 1$ then the point z_{0} is the P-maximum of the function f and is the desired solution. A theorem shows that the computation scheme proposed above converges to a P-maximum in a finite number of iterations. Orig. art. has: 8 formulas.

ASSOCIATION: Instytut kibernetyky AN URSR (Institute of Cybernetics, AN URSR)

SUBMITTED: 23Jun64

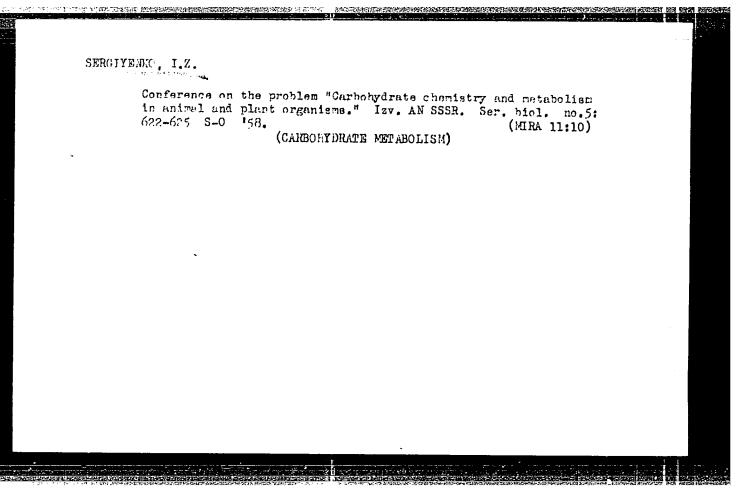
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Card 3/3



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AUTHOR:

Sergiyenko, I. Z.

TITLE:

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms (Khimiya i obmen uglevodov v zhivotnom i rastitel'nom organizmakh) Conference in Moscow (Konferentsiya

v Moskve)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 6, pp. 112-114

(USSR)

ABSTRACT:

This conference took place from January 28 to January 30. If was organized by the Laboratory for Physiological Chemistry of the AS USSR and was attended by about 200 specialists, among them organochemists, biochemists, physiologists, pharmacologists, histologists and physicians who represented various scientific institutions of the AS USSR, of the Academy of Medical Sciences of the USSR, of the VASKhNIL, of a number of universities and other colleges, as well as of branch institutes from all the country. It was opened by the Director of the Laboratory for Physiological Chemistry B. N. Stepanenko. He stressed in his detailed report among other things the

Card 1/5

great theoretical interest in the investigation of the ab-

307/30-53-6-30/45
The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms.
Conference in Moscow

solute formation of simple carbohydrates. New and great success was achieved in the field of the O- and N-glycosides. He reported on some important results of the work in laboratories. Furthermore the following reports were heard:

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- 1) S. N. Danilov: On the reaction of the simultaneous oxidation and regeneration in a group of carbohydrates.
- 2) Yu. A. Zhdanov: On the use of different methods of synthesis.
- B. N. Stepanenko, L. K. Kryukova, O. G. Serdyuk: On investigations carried out in the field of some O- and N-glycosides.
- 4) 0. K. Orlova: On 2 new diphtheria bacilli.
- 5) Ye. K. Alimova: On carbohydrates in the structure of diphtheria bacilli.
- 6) S. A. Neyfakh and M. P. Mel'nikova: On enzymatic members.
- 7) V. S. Il'in: On the importance of hexokinase reaction.

Card 2/5

304/30-58-6-30/45

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

- 8) N. K. Nagradova: On the properties of the effect of the dehydrase of phosphorus-glycerin aldehyde.
- 9) A. P. Barkhash: On the method of the conversion of glucose.
- 10) A. N. Petrov: On the presence of a phosphorus-less method of synthesis in the liver.
- 11) M. I. Prokhorova and Z. N. Tupikova: On the intensity of the carbohydrate metabolism in organs.
- 12) B. I. Khaykina: On the velocity of the regeneration of free and bound glycogene fractions.
- 13) Ye. L. Rozenfel'd: On the function of animal organisms.
- 14) M. G. Shubich: On the results of the histochemical investigation of the glycogene of muscular tissue.
- 15) R. A. Rutberg: On the importance of polysaccharides in the investigation of the blood system.

Card 3/5

16) G. Ya. Rozenberg and T. V. Polyshina: On the production; the

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The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms.
Conference in Moscow

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properties and characteristics of Soviet dextrin.

- 17) A. N. Petrova: On the problems of the pathology of carbchydrate metabolism.
- 18) S. M. Leytes and N. T. Smirnova: On the effect of the antidiabetic preparation BZ-55.
- 19) A. V. Kotel'nikova and G. D. Krechetova: On special problems of the pathology of carbohydrate metabolism.
- 20) B. N. Stepanenko, Ye. M. Afanas yeva and R. A. Baksova: On the chemical nature of a new polysaccharide.
- 21) O. A. Pavlikova and M. V. Turkina: On conversions of saccharose in plant tissues.
- 22) D. I. Lisitsin, M. S. Bardinskaya, M. I. Smirnova-Ikonnikova, Yu. V. Peruanskiy, G. A. Lukovnikova and V. I. Ivanov: On carbohydrates of plant origin.

In the resolution the achievements as well as the shortcomings were mentioned. A commission for the coordination of work was founded.

Card 4/5

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

THE CHARLES BEAR SECTION OF THE PROPERTY OF TH

1. Carbohydrates--Biosynthesis 2. Carbohydrates--Metabolism 3. Carbohydrates--Chemical properties 4. Animals--Physiology 5. Plants--Physiology

Card 5/5

POZHIDAYEY, Nikolay Nikolayevich, dotsent; PAVLOY, Anatoliy Ivanovich, dotsent; VADIMOVICH, Ivan Ivanovich, dotsent; KOVAL'SKIY, Anatoliy Grigor'yevich, inzh.; ZORUK, Vladimir Luk'yanovich, inzh.; ANOKHIN, Viktor Vasil'yevich, inzh.; SERGIYENKO, L., red.; BONDARENKO, O., red.; GUSAROV, K., tekhn.red.

[Textile materials for the clothing industry] Materialovedenie shveinogo proizvodstva. Pod obshchei red. N.N.Pozhidaeva. Kiev. Gos.izd-vo tekhn.lit-ry USSR, 1959. 411 p. (MIRA 13:2) (Clothing industry) (Textile fabrics)

SERGIYENKO, L., inzh.; KOCHAN, L., inzh.; GUZHVA, G.; KLIMOV, L.;

KHMELEVA, L.

No, these are not trifles! Okhr.truda i sots.strakh. no.10:
(MIRA 13:2)
39-41 0 '59.

1. Korrespondenty gazety "Vitebskiy rabochiy" (for Guzhva,
Klimov). 2. Spetsial'nyy korrespondent zhurnala "Okhrana
Klimov). 2. Spetsial'nye strakhovaniye" for (Khueleva).

truda i sotsial'noye strakhovaniye" for (Khueleva).
(Vitebsk Province--Industrial hygiene)

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YEREMENKO, Boris Antonovich; BARABANOVA, Kseniya Aleksandrovna; SUSOROV, Boris Grigor'yevich; FREPON, Nikolay Raymondovich; TSENZURA, Aleksandr Ivanovich; LOSEVA, R., red.; SERGIYENKO, L., red.; SHAFETA, S., tekhn.red.

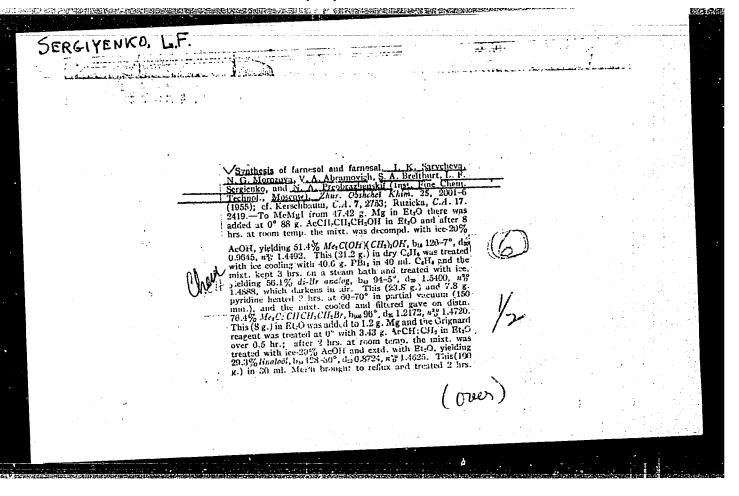
[Automatic control of the processes of beet-sugar manufacture]
Avtomatizatsiia protsessov sveklosakharnogo proizvodstva. Kiev.
Gos.izd-vo tekhn.lit-ry USSR, 1960. 133 p. (MIRA 13:8)
(Sugar manufacture) (Automatic control)

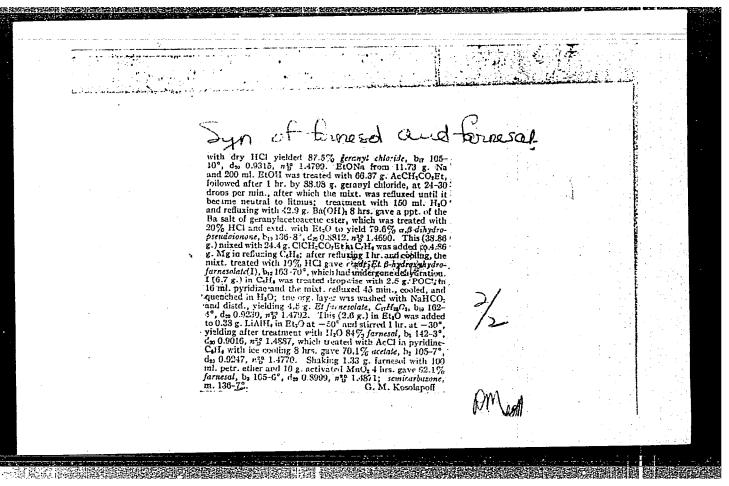
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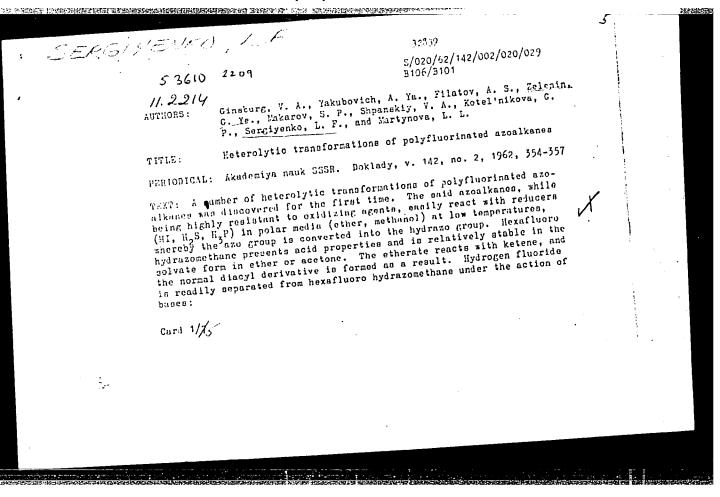
SERGIYENKO, L.F.			
Synthes N. G. Mo Sergienko V. S.S. K. 50, 8414i.	sis of farnesol and farnesal. I. I. 10020va, V. A. Abramovich, S. A. Bi. and N. A. Preobrazhenskii. J. 25, 1949-53 (1955) (Engl. translation	K. Sarycheva. (6) reltburt, L. F. Gen. Chem. u).—See C.A. B. M. R.	
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	3 -
Heterolytic transformations of S/070/62/142/002/020/029 B106/B101 fluorinated and compounds are particularly sensitive to nucleophilic reasons. The reaction rate with animos group with the smine basisty, and the reactivity in any compounds of the type CF,N-NR drops in the and the reactivity in any compounds of the type CF,N-NR drops in the sequence R-CF, > CF ₂ H > CH ₂ . With accordary amines, more apparame, and sulfinic acids, the any compounds react as follows:	
Those conversions probably begin with the formation of a transition complex of the type of a m-complex, e.g., CF, M-NCF,. This assumption HNR2 is backed by the fact that the transition complex, in the reaction of hexafluorazo methane with trialkyl phosphites, can be isolated under mild Card 3/7,	
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	tions of	B106/B101	1002/020/02)		į.
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conditions (coolin	g with dry ice). On l	reating, the addu	ct decomposes		
i ulimana tataa	fluoro othylene, diet	nvi einer, einyi	Timotine, drasm'	/ -	ļ.
	and diethyl othano pholid esters, hexafluora]	<u> </u>
ields the Diels-A	lder addition, reacts	with azines acco	ording to the sci	Patria,	į.
manufacture of the second of the second	N. CICILL.	NCF.		i	İ
$C = NN = C(CH_i)$	$+CF_1N \Rightarrow NCF_2 \rightarrow 1$ $N-C(CH_2)_2 \rightarrow 1$	NOF.	•	X	
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and with diazometh	ane as follows:				ļ.
	CH	•			
	CF.N — NCF. + N.				E
$CF_3N = NCF_3 + CI$	I_1H_1 $N \Longrightarrow N - CH_1$. •	į.
	$G_{1}N \longrightarrow NCF_{1} + N_{1}$ $I_{1}H_{1} \longrightarrow N \longrightarrow N - CH_{2}$ $CF_{1}N \longrightarrow NCF_{3}$		i •		}
	ine reacts smoothly x:	in organo-magnes	ium compounds at		
Hexafluorazo metha	ind forms the hither.	unknown acid fl	uorides of		1
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37839 S/020/62/142/002/020/029 Heterolytic transformations of B106/B101
polyfluoro alkyl-(aryl)-hydrazine carboxylic acids CF3N(R)NHCOF, from
which a number of further derivatives was obtained: Nfi
Table 1. Compounds synthesized for the first time. Legend: (a) compound; (b) boiling point; (c) melting point; (d) does not melt below 300°C.
Card 5/1/2

GINSBURG, V.A.; YAKUBOVICH, A.Ya.; FILATOV, A.S.; SHPANSKIY, V.A.; VLASOVA, Ye.S.; ZELENIN, G.Yo.; SERGIYENKO, L.F.; MARTYNOVA, L.L.; MAKAROV, S.P.

Production, pyrolysis, and photolysis of polyfluorinated azo compounds of the aliphatic series. Dokl. AN SSSR 142 no.1:88-91 Ja 162. (MIRA 14:12)

1. Predstavleno akademikami I.L. Knunyantsem i M.I. Kabachnikom. (Azo compounds) (Fluorination)

VEPRINSKIY, M. [Vepryns'kyi, M.]; SERGIYERKO, M.

There will be thriving collective farm cities. Znan.ta prateia no.1:2-b Ja '60. (MIRA 13:5)

(Ukraine--City planning)

SERGIYENKO, M.I. [Serhiienko, M.I.]

Materials on the species of trematodes and cestodes in water and swamp birds of the upper Dniester Valley. Nauk. zap. Nauk.-pryrod. muz. AN URSR 10:97-100 162. (MIRA 16:8)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548120010-9"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548120010-9 ,这种人们是不是一个一个人,可以是不是一个一个人,这个人们们是一个人,这个人们们是一个人们的一个人,那么不是一个人的人,我们是一个人们的一个人,只是我们们们的一个

SERGIYENKO, M.M.

Scientific and technical co-operation of the Soviet Union with the countries of Asia and Africa in the field of geology."

Report submitted to the Conf. on the Application of Science and Technology for the Benefit of the Less Developed Aresso 4-20 February 1963 Geneva, Switzerland

CIA-RDP86-00513R001548120010-9" APPROVED FOR RELEASE: 08/23/2000

М Plants for Technical Use. USSR / Cultivated Plants. Sugar Plants. : Ref Zhur - Biologiya, No 6, 1959, No. 25000 Oil Plants. : Sergiyenko, M. P. : Altay Agricultural Institute Abs Jour Progressive Methods for the Cultivation of Author Inst : Sb. stud. nauchn. rabot Altaysk. s.-kh. in-t, the Sugar Beet Title 1957, vyp 6, 17-24 Orig Pub : Experimental results on the determination of the optimal nutrition area for the sugar beet with the least expenditure of manual labor, under the conditions of the Altayskiy Abstract Kray's steppe zone, are submitted. The experiments were conducted in 1956 on the field of Mamontov Division of the Aleysk Sugar card 1/2

Μ

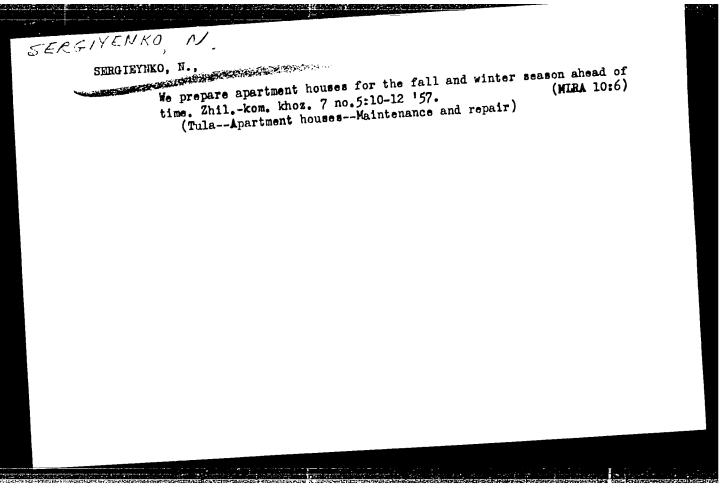
USSR / Cultivated Plants. Plants for Technical Use.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25000

Combine. The largest root crops and sugar yield were obtained at a square sowing of the sugar beet by leaving the plants in rows at a distance of 44.5 cm. — B. L. Klyachko-Gurvich

Card 2/2

134



GRACHEV, A.V., electron describes, describes, locations and services about k, SMAUCHORSKY, a.S., relections standards, locations vertices [Public bureau of technical standards, locations of locations belong to the second services and locations are services belong to the second services and locations are services are services.

POLYAKOV, P.V., inzh.; KARAKAY, P.A., inzh.; SERGIYENKO, N.M.

Automatic regulator for the feeding of a screw press. Masl.-zhir.
prom. 26 no.10:32-34 0 '60.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Polyakov).
2. Krasnodarskiy maslozhirovoy kombinat (for Karakay, Sergiyenko).

(Power presses)

(Automatic control)

LYSAKOVSKIY, G.I., kand.tekhn.nauk; SERGIYENKO, N.M., inzh.

Use of glass suspension insulators on overhead power transmission lines. Elek. sta. 31 no.12:77-78 D '60. (MIRA 14:5) (Electric insulators and insulation) (Electric lines--Overhead)

KARAKAY, P.A., inzh.; SERGIYENKO, N.M.

Remote measurement of a level in open tanks. Mesl.-zhir.prom. 28 no.7:40-41 J1 '62. (MTA 15:11)

l. Krasnodarskiy maslozhirovoy kombinat imeni $V_{\bullet}V_{\bullet}$ Kuybysheva.

(Krasnodarsk--Oils and fats--Storage) (Liquid level indicators)

Resolving capacity of the eye. Vest. oft. 76 no.3:39-44 (MIRA 17:2)

1. Kafedra glaznykh bolezney (zav. - prof. L.B. Zats) Donetskogo meditsinskogo instituta.

BETESHEVA, Ye.I.; SERGIYENKO, N.I.

Morphology of the stomach and intestines of toothed whales. Zool. zhur. 43 no.6:918-926 164. (MIRA 17:12)

1. Institute of Animal Morphology, Academy of Sciences of the U.S.S.R., Moscow.

L 8956-66

ACC NR: AP5026520

SOURCE CODE: UR/0286/65/000/019/0051/0051

AUTHOR: Sergiyenko, N. M.

3/ R

ORG: none

TITLE: Device for determination of acuity of vision, Class 30, No. 175170

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 51

TOPIC TAGS: vision, optometry, optic instrument, measuring instrument

ABSTRACT: This Author Certificate describes a device for determining acuity of vision. The device consists of two compartments and contains a reading scale and light bulbs for the illumination of the slit diaphrages (see Fig. 1).

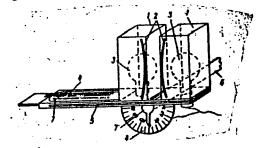


Fig. 1. 1 - Operatment; 2 - slit diaphragms; 3 - light bulbs; 4 - scales; 5 - mechanism for displacement of compartments; 6 - mechanism for turning of compartments; 7 - indices.

Card 1/2

UDC: 615.471:617.751-072.7

L 8956-66

ACC NR: AP5026520

To alter the distance between the two illuminated slit diaphragms, a displacement mechanism is mounted inside the device. This mechanism displaces one compartment in relation to the other, the latter being held in a fixed position. The acuity of vision is read off a scale. To determine the acuity of vision in various meridians, the device is equipped with a turning mechanism which permits rotating the compartments containing the illuminated slits through an angle of ± 90 degrees. The angle of turn may be determined with an attached circular scale. Orig. art. has: 1 figure.

SUB CODE: 14, 06/ SUBM DATE: 03Jun60

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Card 2/2

AND THE PARTIES OF THE PROPERTY AND THE PARTIES AND THE PARTIE

SERGIYENKO, N.V., Inzh.otdela puti otdeleniya dorogi, (Stantsiya Kazatin,
Yugo-Zapadnoy dorogi)
Grass control. Put' 1 put.khoz. 5 no.9:78-29 S '61. (MIRA 14:10)
(Railroads—Equipment and upplies)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548120010-9 propries de la comparta de la compa

AUTHOR:

Sergiyenko, N.Ye., Engineer

SOV-135-58-10-19/19

TITLE:

Use of Glycerin in Electrode Coatings (Primeneniye glitse-

rina v elektrodnykh pokrytiyakh)

PERIODICAL:

Svarochnoye proizvodstvo, 1958, Nr 10, p 47 (USSR)

ABSTRACT:

Sodium silicate solution as a deactivating material in electrode coating has been replaced by glycerin. A small quantity of glycerin added to ferroalloys increases the fermentation resistance of the deactivated ferroalloys by 4 times. The resistance of non-deactivated ferroalloys containing 0.5 to 1.0% glycerin, is equal to that of ferroalloys deactivated by conventional methods, (based on data given by A.A. Alov). The use of glycerin in the production

of electrodes proved satisfactory in practical use.

ASSOCIATION:

Zavod imeni Malysheva (Plant imeni Malyshev)

1. Arc welding--Electrodes 2. Electrodes--Coatings 3. Dithio-

glycerol--Applications

Card 1/1

USCOMM-DC-55608

CIA-RDP86-00513R001548120010-9" APPROVED FOR RELEASE: 08/23/2000

TO THE PARTY OF TH

25 (1) SOV/135-59-4-11/18

AUTHOR: Sergiyenko, N. Ye., Engineer

TITLE: The Multiple Utilization of Slag Crust in Automatic Welding

(Mnogokratnoye ispol'zovaniye shlakovoy korki pri

avtomaticheskoy svarke)

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 4, pp 40 - 41 (1.32)

ABSTRACT: Used flux in the form of slag crust is usually cast away as

refuse. In experiments at the author's plant, carried cut with standard acid flux AN-348-A, basic flux AN-22 and two

kinds of electrode wire (low-carbon "Sv-08A" and

"Kh20N10G6T"), the crust was remelted and reused as flux two and three times with the results shown in tables. This showed that the flux composition changes only slightly and even results in a slight improvement in the mechanical properties of weld metal deposited during the use of re-

used flux. It is pointed out that the author's plant has been utilizing slag crust for three years and never

received complaints on the quality of welds. D. G. Lima-

Card 1/2 renko assisted the author.

SOV/135-59-4-11/18 The Multiple Utilization of Slag Crust in Automatic Welding

There are 4 tables.

ASSOCIATION: Khar'kovskiy zavod imeni Malysheva (Khar'kov plant

imeni Malyshev).

Card 2/2

SERGIYENKO, N.Ye., inzh.; KATRECHKO, V.I., inzh.; YEVDOKIMOV, K.K., inzh.; LIMARENKO, D.G., inzh.

Utilization of the slag crust from welding fluxes in automatic welding. Svar. proizv. no.4:31-33 Ap '63. (MIRA 16:5)

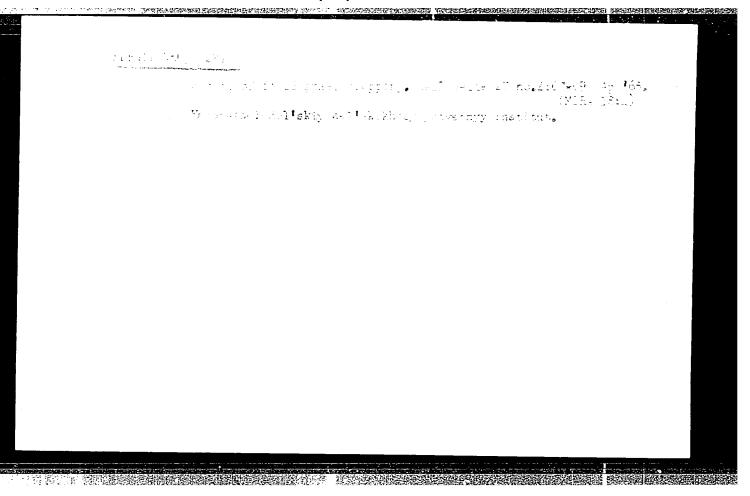
1. Zavod transportnogo mashinostrcyeniya im. Malysheva. (Electric welding) (Flux (Metallurgy))

SERGIYENKO, D.

Wider dissemination of progressive practices. Mast.ugl.4 no.8:3
Ag'55. (MERA 8:10)

1. Nachal'nik uchastka shakhty no.1 "Kamenetskaya" kombinata
Moskvougol'

(Moscow Basin--Coal mines and mining)



SERGIYENKO, Pavel Bikolayevich, GUROV, S., redaktor; YAKOVLEVA, Ye., tekhniche-

[Coal mining around the clock] Dobycha uglia po grafiku tsiklichnosti. [Moskva] Moskovskii rabochii, 1955. 63 p. (MIRA 9:4)

DESCRIPTION, Favel Sergopevich; Little, I.V., red.

[Fourth cascade production line; "olg chemicary" has come to Omnk] Chetverty: kenked; v Cruk prishla bolishala khimii. Chak, Omnkoe kniz toe izitve, 1963. 94 p.

(VIA 17:8)

SERGIYENKO, P.V., assistent (Ivanovo)

Albumin-globulin and phagocytic coefficients in chronic paranasal sinusitis. Kaz.med.zhur. 40 no.5:120-121 S-0 '59.

(MIRA 13:7)

(BLOOD PROTEINS) (PHAGOCTTOSIS) (SINUSITIS)

SERGIYENKO, P. V.

PLANT IN COMPANY TO THE PROPERTY OF THE PROPER

Late results of surgical treatment in chronic inflammatory diseases of the maxillary sinus. Vest. otorin. no.3:50-53 '62. (MIRA 15:6)

1. Iz kafedry bolezney ukha, nosa i gorla (i. o. zav. - dotsent S. B. Glauberman) Voronezhskogo meditsinskogo instituta i iz kafedry bolezney ukha, nosa i gorla (zav. - prof. K. G. Borshchev) Ivanovskogo meditsinskogo instituta.

(MAXIILDARY SINUS-DISEASES)

33169

S/148/61/000/011/014/018 E193/E383

9,5100 (1001, 1153,1385)

AUTHORS. Mes kin, V.S., Sergiyenko, R.I., Popova, L.A. and

Freydel', R.R.

TITLE Search for corrosion- and wear-resistant alloys for

precision electrical resistance devices

PERIODICAL Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no. 11, 1961, 159 - 164

TEXT: The conventional electrical resistance alloys, exemplified by manganin and similar Cu-Ni-Mn alloys, although satisfactory from the point of view of the electrical properties, have a low resistance to the action of some corrosive media (sulphur-bearing or ammoniacal atmospheres) and are not always suitable for service in tropical or marine surroundings. A hard wearing alloy, free from these limitations, would solve many design problems and it was for this reason that the present investigation, concerned with Pd-W and Pd-Mo alloys, was undertaken. The experimental specimens were prepared by drawing molten alloys into quartz tubes (2.3 - 3 mm in diameter), preheated to 800 °C and swaging the resultant rods to 1.2 - 1.5 mm Card 1/8

33159

S/148/61/000/011/014/018 E193/E383

Search for corrosion- and

in diameter. After a series of exploratory measurements, alloys of practical interest were drawn to wires 0.2 ± 0.25 mm in diameter which were then used for the determination of electrical resistivity: \mathbb{Q}_2 temperature coefficient of electrical resistance, \mathbb{Q}_1 and thermowemf against copper, \mathbb{E}_2 . The

measurements were taken on specimens either cold-worked to approx. 50% reduction or vacuum-annealed. The results are reproduced graphically.

In Fig. 1, C (ohm mm²/m, graph a), c, (x 10⁴, graph C) and E (uv/°C) graph S) are plotted against the W content (wto%) in the Pd W alloys, vacuum-annealed at 700°C; the curve in Fig. 1 has been divided into two branches, scale on the right hand side relating to branch 1; experimental points denoted by circles had been obtained earlier (Ref. 1; V.A. Nemilov, A.A. Rudnitskiy = Izvestiya sektora platiny IONKh AN SSSR, 1949 no.23, 101). Since the temperature-dependence of the thin the 15 - 90°C range was linear, data reproduced in Fig. 15.

Card 2/8 5

Search for corresion- and

33169

S/148/61/000/011/014/018 E193/E383

relate the entire 15 \sim 90 $^{\rm O}$ C range. The concentration dependence and E of the Pd-Mo alloys is demonstrated in a similar manner in Fig. 3a, π and Ω , respectively. It will be seen that in respect of their electrical properties the Pd-Mo alloys are inferior to Pd-W alloys. Since, in addition, they have some other shortcomings, the most promising of the $Pd \sim W$ alloys (i.e. the 20% W-Pd alloy) denoted by a code mark CE 20 (PV20) was selected for further tests. The results of contact resistance measurements, carried out on wires $0.25\ mm$ diameter, are reproduced in Fig. 4, where the contact resistance (ohm) is plotted against the contact pressure (g), Curves 1-5 relating to the following experimental conditions: 1 - PV20 in contact with itself (both wires vacuum-annealed at 800 °C); 2 manganin in contact with manganin; 3-PV20 in contact with PV20; both specimens preliminarily held for 24 h in a sulphurous atmosphere (0.02 g of SO₂ per 1 dm³ of air), 4 = PV20 in contact both wires preliminarily held for 24 h at 55-60 °C

Card 3/85

4

33169 S/148/61/000/011/014/018 E193/E383

Search for corresion and

in air of 98% humidity; 5 - PV20 in contact with PV20; wires preliminarily held for 36 h in a 25% ammonia solution (it is stated in this connection that contact resistance between manganın wires held preliminarily for 24 h in ammonia solution was infinitely large). In the next series of experiments the stability of () was studied. The specimens were heated in air at 100 °C for 3 h and after a 24 h interval their O at room temperature was measured, this treatment being repeated several The results are reproduced in Fig. 5, where the change in resistivity (%) due to cyclic heating is plotted against the total time (hours) at 100 °C. Curves 1 - 3 relating to various PV20 specimens Curve 4 to manganin (the effect of similar treatment in boiling water was more pronounced, the increase in of PV20 after 25 cycles amounting to 1.75%). Since after cyclic heating of the PV20 alloy its ϕ at room temperature remained practically constant, this treatment should provide effective means of stabilizing ρ of this alloy. UTS and elongation of PV20 were respectively. 133 kg/mm² and 1% in (ard 4/8 <-

CIA-RDP86-00513R001548120010-9

Search for corrosion- and

S/148/61/000/011/014/018 E193/E383

the cold-worked condition, and $85.2 \, \mathrm{kg/mm}^2$ and 25.5% after annealing. Wear-resistance of this alloy was also found to be much better than that of manganin. It was concluded that high strength combined with good wear- and corrosion-resistance render the PV20 alloy suitable for some applications. Since, however, this alloy is inferior to manganin in respect of its electrical; and E), search should be continued for a (α

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material with better electrical properties which, at the same time, would be cheaper and easier to produce. There are 5 figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION:

Leningradskiy institut aviatsionnogo pribor-

ostroyeniya i zavod "Lenteplopribor"

(Leningrad Institute of Aviation Instruments and

"Lenteplopribor" Works)

SUBMITTED:

February 22, 1961

Card 5/8 4

MES'KIN, V.S.; SERGIYENKO, R.I.; POPOVA, L.A.

Anomaly of electric resistance and K-state formation in systems palladium - tungsten, and palladium - molybdemum. Fiz.met.i metalloved. 13 no.1:126-131 Ja '62. (MIRA 15:3)

(Palladium alloys—Electric properties)

(Metals at low temperatures)

35951

S/126/62/013/001/012/018. E193/E383

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18.1780

AUTHORS: Mes'kin, V.S., Sergiyenko, R.I. and Popova, L.A.

TITLE:

Anomalous electrical resistivity and formation of the K-state in palladian-tungsten and palladian-

molybdenum systems

PERIODICAL: Fizika metallov i metallovedeniye, v. 13, no. 1, 1962, 126 - 131

TEXT: One of the main manifestations of the formation of the K-state in an alloy consists of the fact that the electrical resistance of the alloy increases after annealing and decreases after cold plastic deformation or quenching from sufficiently high temperature. These effects were observed by the present authors in palladian-tungsten and palladian-molybdenum alloys whose properties they had studied in connection with a search for corrosion-resistant alloys which could be used as high-precision resistance materials. Those results of this investigation which relate to annealing-induced anomalous variation of electrical resistance and other properties are reported in the

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Anomalous electrical

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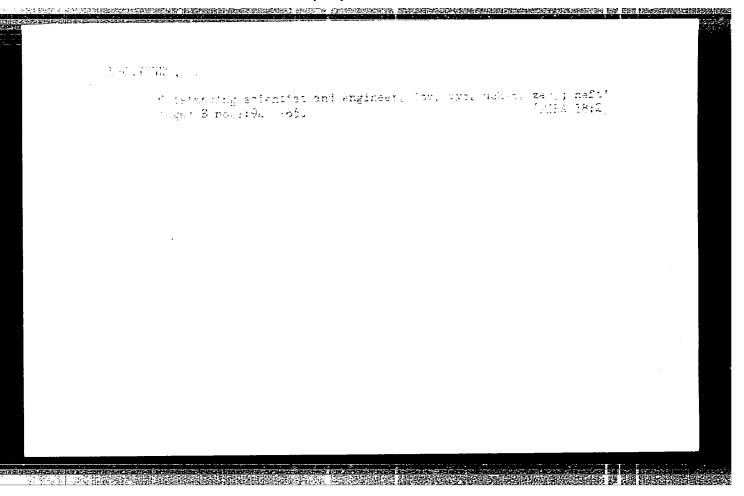
the maxima on the emf/concentration curves for the annealed specimens were slightly higher than those for cold-worked material. The anomalous increase in the electrical resistance was observed also in specimens annealed at lower temperatures; the magnitude of this effect increased with increasing annealing temperature, reached a maximum after annealing at 700. Oc and stayed at this level up to annealing temperatures of 1 100 Oc. The results of the last series of experiments are reproduced in Fig. 6, where the microhardness

(kg/mm²) of the Pd-19.3% W alloy, cold-worked to 50% reduction, is plotted against the annealing temperature, curve 1 relating to specimens cooled slowly (100 - 120 °C/hour) after annealing, curve 2 to material cooled at a faster rate and curve 3 to water-quenched specimens. Analysis of the results obtained led to the conclusion that the formation of the K-state is a result of at least two processes: disorder-order transformation and a change in the electron structure of the atoms, each process affecting different properties of the alloys. The

Card 3/5

VLADYMKO, V., zhurnalist (Kiyev); SERGIYENKO, S. [Serhilemko, S.],
zhurnalist (Kiyev)

Bioelectric current from a tape recorder. Nauka i zhyttia 12
no.7:40-41 Jl '62. (MIRA 16:1)
(Electrophysiology) (Electrotherapeutics)



OCENGENDEN, N.Ye.; SERGIYENKO, S.F.

Service life of coal mine suction pumps. Sbor.DonUGI no.22:
97-103 '61. (MIRA 15:6)
(Hydraulic mining—Equipment and supplies) (Pumping machinery)

SOV/130-59-1-6/21

THE PERSON OF TH

AUTHORS: Prokhorenko K.K., Shchekin, N.P. and Sergiyenko S.M.

TITLE: Influence of some Technological Factors on the Quality of

Structural Steel (Vliyaniye nekotorykh tekhnologicheskikh

faktorov na kachestvo konstruktsionnoy stali)

PERIODICAL: Metallurg, 1959, Nr 1, pp 11-14 (USSR)

ABSTRACT: At the Kulebaki metallurgical works objects (rail tyres and gear blanks) made of types 30 KhN3A and 35 KhGSA and other steels are frequently defective because of longitudinal surface cracks and blowholes both under the surface and in deeper layers of the ingots and non-metallic inclusions. The steels are melted in oil-fired (air atomization) basic open hearth furnaces with careful exclusion of moisture from the charge, cast into two ladles through a bifurcated runner and bottom poured into bigend-up, twelve-sided 2.5 tonne moulds with hot tops. The

which works-made firebrick hollow-ware was used, to find ways of eliminating the flaws. It was found that increasing the quantity of aluminium in deoxidation failed by itself to prevent blowholes and increasing deoxidation time led to a higher incidence of these flaws (Figs 1 and 2 show

authors describe a special investigation at the works, in

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SOV/130-59-1-6/21

Influence of some Technological Factors on the Quality of Structural Steel

percentage of ingots with blowholes as functions of aluminium consumption, g/tonne and duration of deoxidation, min, respectively). Replacement of preliminary deoxidation with 12% ferrosilicon by deoxidation in the ladle led to a reduction of gas-blowhole flawed ingots from 4.66 to 3.55% (23 heats). Trapping of skin in the metal during filling of the ingot mould was found to be a cause of blowholes: this could be reduced by increasing pouring speeds and eliminated by top pouring (Table 1). Examination of the non-metallic inclusions appearing in tyres and blanks during their mechanical working showed them to consist partly of the slag floating on the metal surface together with some hollow-ware debris. The authors conclude that curling of the skin directs the inclusions into the body of the ingot since traces of skin were found near non-metallic inclusions in blanks. Tests showed (Table 2) that with increasing ingot-mould filling speeds the incidence of large non-metallic inclusions decreases. With filling speeds of 700-800 mm/min these flaws are

Card 2/4 absent. But changes in deoxidizing practice did not

SOV/130-59-1-6/21

Influence of some Technological Factors on the Quality of Structural Steel

affect the incidence of large non-metallic inclusions appearing in machining of blanks and tyres. Increasing mould filling speed was found to increase the incidence of longitudinal hot cracks (Table 3), which occurred mostly along corners. The use of a rounded ingot mould shape (Fig 3b) reduced this and higher filling speeds became possible (Table 4), but for complete elimination top-pouring through a tundish was necessary, and this increased the incidence of transverse cracks. It was found that pre-tapping metal temperatures in the furnace of 1620-1630°C (measured with platinum/platinum-rhodium immersion souples) corresponded to minimal longitudinal cracking in 30KhN3A steel. Surface tears during forging

Card 3/4

Influence of some Technological Factors on the Quality of Structural Steel

were closely linked with longitudinal cracks and were reduced by the same measures and also by slowing down the cooling of ingots by this steel.

There are 3 figures and 5 tables.

Card 4/4

S/598/61/000/006/004/034 D24**5/**D303

AUTHORS:

Lukashenko, E.Ye., Kramnik, V.Yu., Garmata V.A., and

Sergiyenko, S.N.

TITLE:

Developing and introducing the method of titanium tetrachloride in retorts without inserting a reaction

vessel

SOUR E:

Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektro-

khimiya titana, 23 - 26

TEXT: The authors carried out 38 experiments in which, for varying conditions of feed rate, temperature, etc., magnesiothermal reduction of TiCl₄ in a single-zone reactor was compared with the same process carried out using an inserted stainless steel reaction vessel. The results show that the single-zone process utilized 50 - 60 % of the reactor volume as against 35 - 40 % for the other process, that the cycle removal of Ti sponge increased by 50 - 60 %, that labor productivity increased by about 30 % and that the quali-Oard 1/2

5/137/62/000/006/034/163 A006/A101

AUTHORS:

Lukashenko, E. Ye., Kramnik, V. Yu., Garmata, V. A., Sergiyenko, S.N.

TITLE

Development and assimilation of magnesium-thermal reduction of titanium tetrachloride in retorts without an inserted reaction

beaker

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 14, abstract 6G100 (In collection: "Titan i yego splavy", no. 6, Moscow, AN SSSR, 1961,

23 - 26)

Industrial experiments of reducing and vacuum-separating ${\tt TiCl}_h$ in TEXT: retarts without beakers make it possible 1) to raise the coefficient of useful utilization of the reactor volume from 35 - 40 to 50 - 60%, and the cyclic yield of Ti-sponge by 50 - 60%; 2) to raise the hourly output of reduction and separation furnaces by 30 - 50%; 3) to raise the labor efficiency of the main production staff by 30% in this conversion department. Moreover, apparatus without beakers assure the production of high-quality Ti-sponge.

[Abstracter's note: Complete translation]

G. Svodtseva

Card 1/1

LUKASHENKO, E.Ye.; KRAMNIK, V.Yu.; GARMATA, V.A.; SERGIYENKO, S.N.;

Prinimali uchastiye: KARGIN, V.M., inzh.; KISELEV, O.G., inzh.;

PETRUN'KO, A.N., inzh.; MASLENNIKOV, I.P., inzh.

Developing and mastering the method of thermochemical reduction of titanium tetrachloride by magnesium in retorts without inserted reaction sleeves. Titan i ego splavy no.6:23-26 '61. (MIRA 14:11) (Titanium--Metallurgy)

LOZGAVHEV, Pavel Mikhaylovich; SERGITENKO, S.P., professor, redaktor; KUZIN, N.V., vėdūshchiý redaktor; MUKHIMA, E.A., tekhnicheskiy redaktor.

[Development of the Sovet technology of distilling petroleum and mazut] Razvitie otechestvennoi tekhniki peregonki nefti i mazuta. Moskva, Gos.nauchno-tekhn.izd-vo neft.i gornotoplivnoi lii-ry, 1957. 166 p.

(Petroleum--Refining)

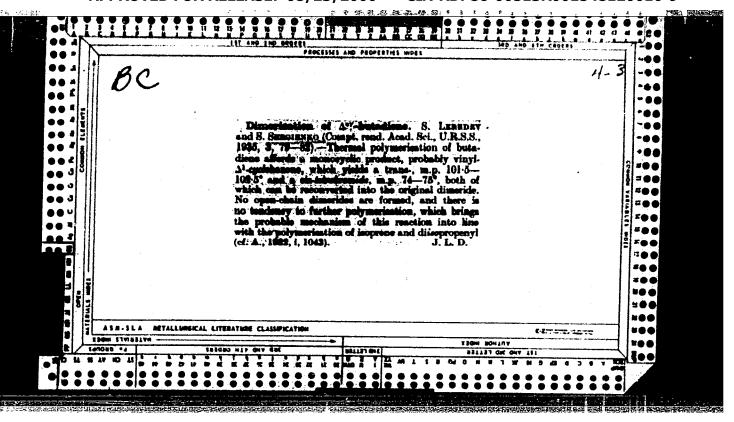
(Petroleum--Refining)

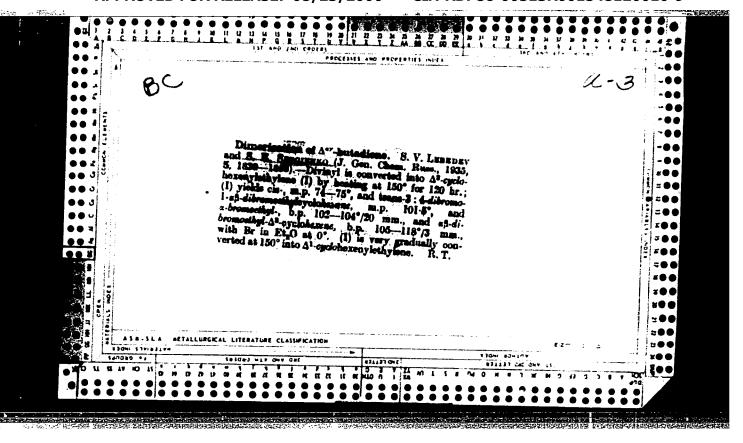
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		PRIKHOT'KO, A F.		
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		Luft, B.D., and Ye. S. Sher. Spectrophotometric Method for the Determination of Microquantities of Mineral Oil in Organic Solvents and on Metal Parts		9
	27 m	Kozyreva, M.S., and I.V. Rodnikova. Study of Pe-	337	
	1	Infrared Spectroscopic Study of High Molecular Petroleum Paraffins	340	
		Kard, P.G. Analytical Theory of Multilayer Dielectric	344	
	:	Analyakova, V.A., and A.I. Finkel'ahteyn. Absorption Spootra of Light Filters Made of Organic Glass For the Visible Spootrum	350	
	_	Lipskiy, Yu. N. Polarization Characteristics of Spectral Equipment	352	
		Card 22/30	355	
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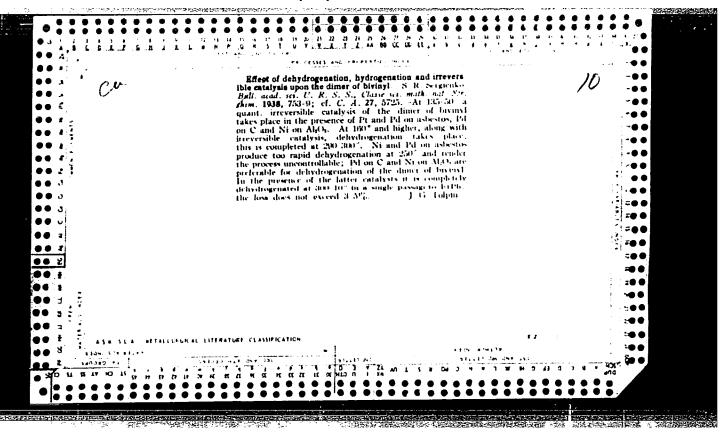
SENGIYENKO, S.R.

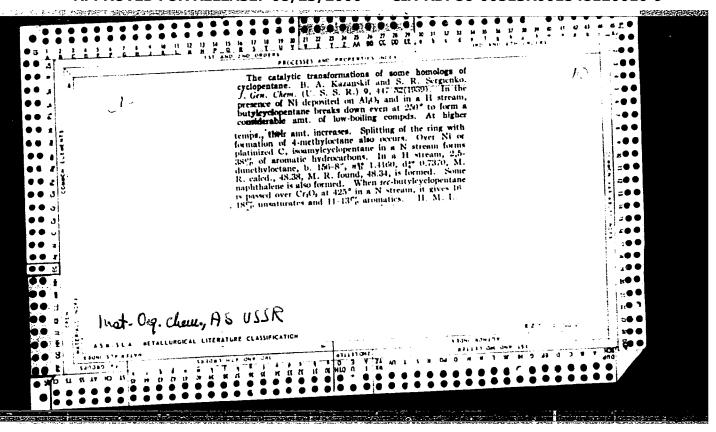
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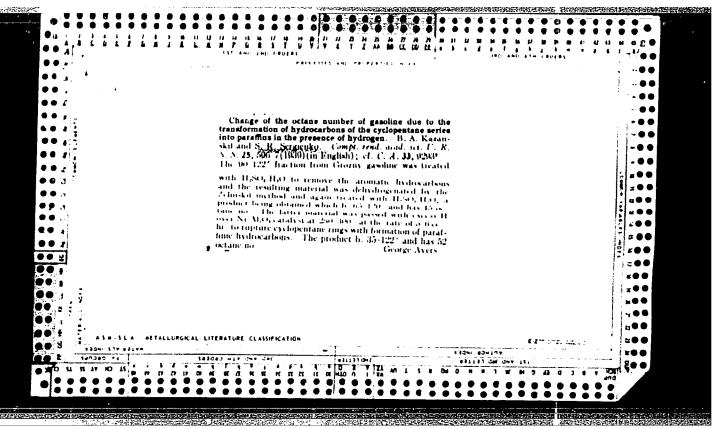
Program for the building of the communist society. Izv. All Turk. SSR. Ser. iz.-tekh., khim. i geol.nauk no.5:3-8 '61. (MIRA 14:11) (Turkmenistan--Industries) (Turkmenistan--Science)

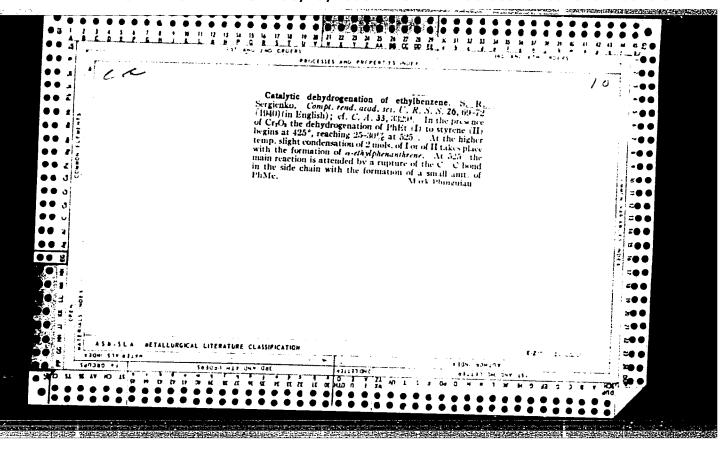


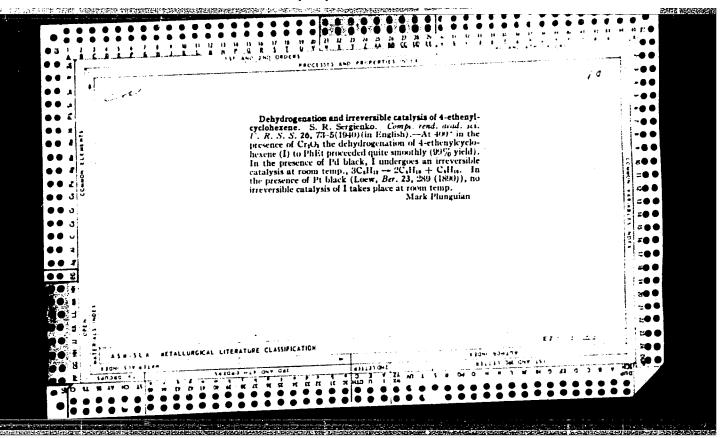


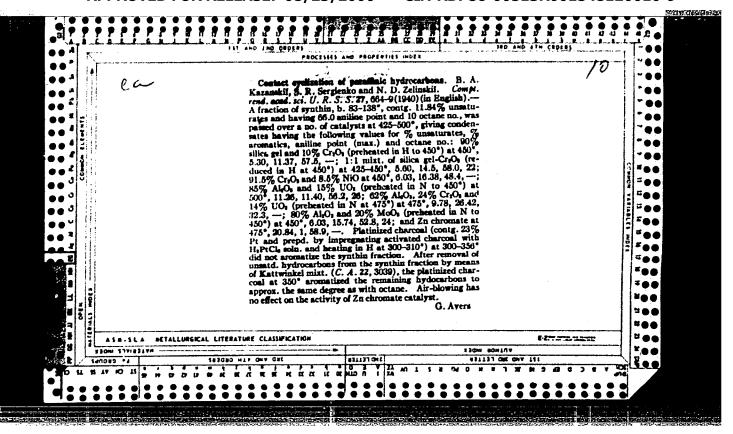


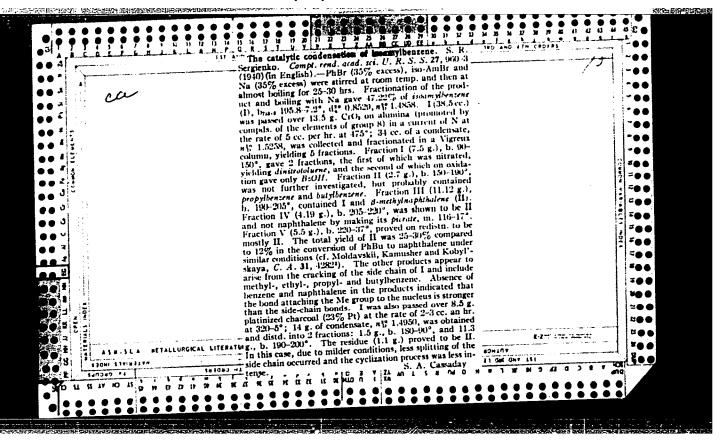


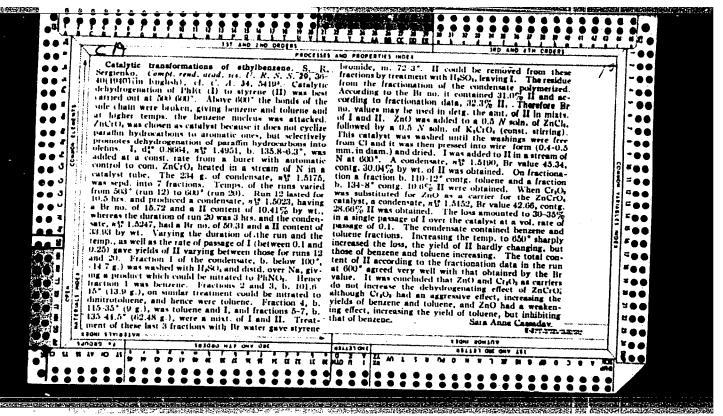


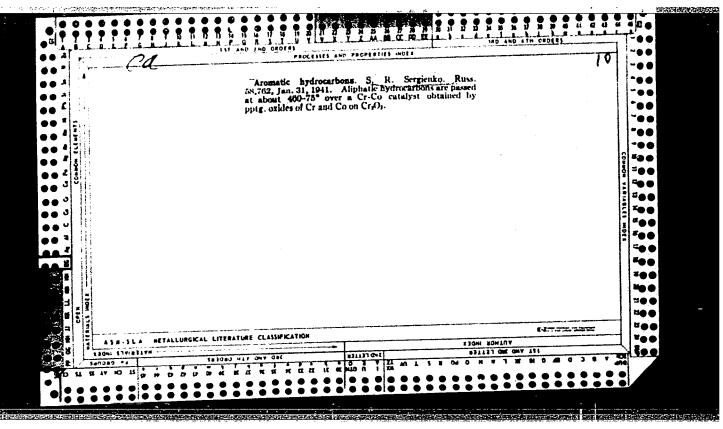










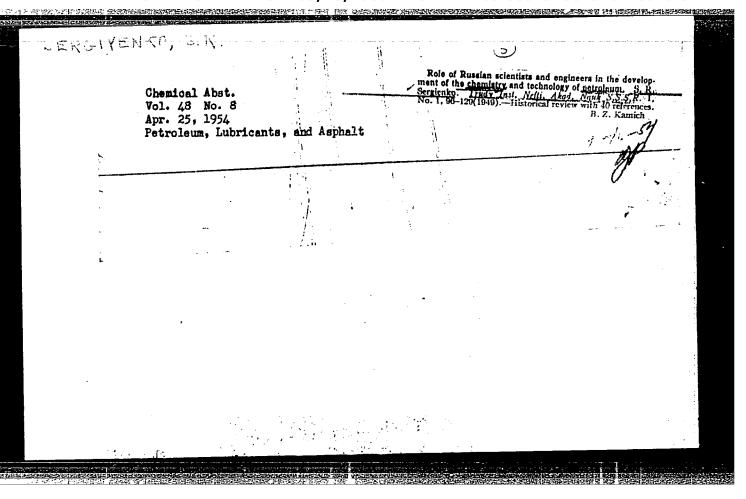


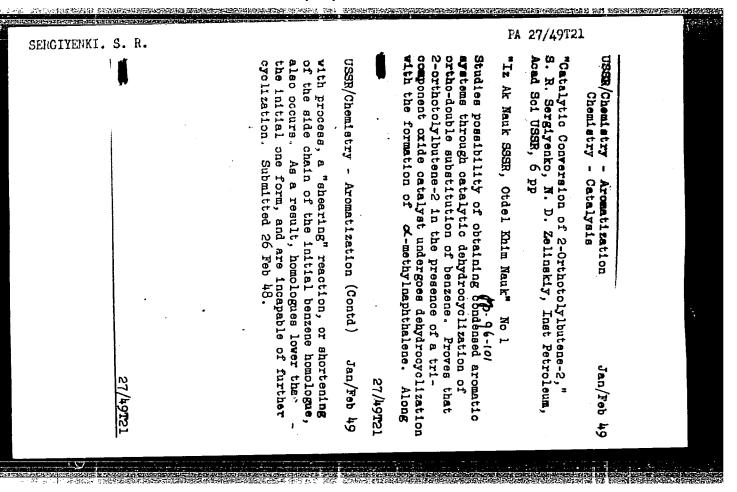
SERGUTENKO, J. R.

"The relative Efficiencies of Laboratory fractionating Columns of various Construction." Kasansky, B. A., Liberman, A. L., <u>Serguienko, S. R.</u>, Tarassowa, G. A., and Plate, A. F. (p. 122)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1942, Vol 12, No 1-2.

		PA 12/49T100	white the factors of the property of the prope
SERGIYENKO, S. R.	ı		
R/Petroleum - Cracking Petroleum - Analysis velopment of Soviet Research in the Field of the mistry and Chemical Technology of Petroleum," R. Sergiyenko, Inst of Mineral Fuels, Acad Sci	Describes Russian research in this field. Article is divided into six sections: (1) the cracking process; (2) catalysis; (5) composition and chemical properties of petroleum; (4) physical and physicochemical properties of petroleum and petroleum	UBER/Petroleum - Cracking (Contd) products; (5) thorough chemical processing of petroleum and petroleum products as the basis of the modern petroleum processing industry; (6) con- olusions. Submitted 15 Feb 48.	12/497100
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SERGIFFERD, S. A. "The role of Replian operatio chemistry in the davelopment of industry." Truly In-th intend 1997. The davelopment of industry." Truly In-th intendity (Akad. nauk SSSE), Vol III, 1289, p. 209-35 Yestesuvosmaniya (Akad. nauk SSSE), Vol III, 1289, p. 209-35 SO: U-92hl, UT December 1293, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1942)

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SERGIYENKO, S. R.	205198	user/Petroleum - Refining (Contd) naphthenes with 5-membered rings, N. D. Zelinskiy and his school, well known by their investions tions of reactions of catalytic transformations tions of reactions of catalytic transformations of cyclic hydrocarbons. Submitted by Acad A. V. Topchiyev.	Briefly reviews general progress of org chemistry in 20th century, especially in field of chemistry in 20th century, especially in field of chemistry of hydrocarbons, emphasizing important role of Soviet science. Mentions some names of Soviet scientists and outlines their achievements viet scientists and outlines their achievements as for example, B. A. Kazanskiy who, with his associates, studied in detail mechanism of splitting sociates, studied in detail mechanism	UBSR/Petroleum - Refining "Chemical Basis of Contemporary Oil Refining," S. R. Sergiyenko, Inst of Petroleum, Acad Sci USSR "Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 6, pp 803-812	
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SERGIYENKO, S. R.		PA 243T6	•
243™6	nonylenes prodominate in the trimer fraction. Isoprene under the conditions described above is subjected principally to cyclic dimerization. Alkylation of isoprene with isopropyl chloride did not take place under the conditions of the expt. Methylations of olefins were successfully carried out, however (cf. A. P. El'tekov's work which led to the synthesis of triptane and B. L. Moldavskiy's research, "Zhur Obshch Khimii," Vol 16, No 3, p 427, 1946).	"Investigation of the Interaction of Diolefins With Alkyl Halides in the Presence of Oxide Catalysts," S. R. Sergiyenko, A.A. Mikhnovskaya, Ye.V. Nozdrina "Trudy Inst Nefti" Vol 2, pp 22-32 At 250° and 36-37 atm, isopropyl chloride in the presence of zinc oxide is converted into a gas configuration of propene, some butene, and the following products of the polymerization of propene: trimer (34.1%) and higher polymers (20%). Branched 243T6	USSR/Chemistry - Polymerization, Jul 52
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- 1. SEPGIYENKO, S. R.; PAEKINA, A. L.
- 2. USSR 600
- 4. Petroleum Industry
- 7. Development of the petroleum processing industry and scientific research in the field of petroleum processing during the Stalin five-year plans, Izv. AN SSSR Otd. tekh. nauk, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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- 1. SERSTY-WC, S. R. Prof.
- 2. USSP. (600)
- 4. Petroleur Industry
- 7. Problems of the petroleum industry in the fifth five-year plan. Vestnik AT SSSR 22 n., 10. 152.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

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	monoethanolamine react with one mole dichlorodiethyl ether to produce the morpholine and 2 moles of monoethanodrochloride, which crystalize only 3 This permits the immediate distn of mixt. The method is thus based on comercially available materials. The 60-65%. Presented by Acad A. V. Top 21 Aug 52.	The method of O. Kamm and J. Waldo of morpholine derivs by the condens dichlorodiethyl ether with primary presence of alkali, is modified	morpholine, "S. R. Sergiyenko, Yu. A. M. I. Krasavchenko "Dok Ak Nauk SSSR" Vol 86, No 6, pp	USSR/Chemistry - Pharmaceuticals, Solvents
	amine react with one mole of 2,2'- ithyl ether to produce the cxyethyl- and 2 moles of monoethanolamine hy- e, which crystalize only 3-4 hrs later ts the immediate distn of the reaction method is thus based on cheap, com- available materials. The yield is resented by Acad A. V. Topchiyev	J. Waldo for the prepnie condensation of 2,2'. primary amines in the lified. Three moles of	nko, Yu. A. Bedov, No 6, pp 1129-1131	в Нуфт
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SERGIENKO, S.R.; MIKHNOVSKAYA, A.A.; NOZDRINA, Ye.V.

Mechanism of the conversion of isopropyl chloride on zinc oxide. Doklady Akad. Nauk S.S.S.R. 87, 427-30 '52.

(GA 47 no.22:12208 '53)

SERCHTENES

Chemical Products and Their Application -- Treatment of USSR/Chemical Technology.

natural gases and petroleum. Motor fuels. Lubricants,

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Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5527

Author: Sergiyenko, S. R., Delone, I. O., Davydov, B. E.

Institution: Academy of Sciences Azerbaydzhan SSR

Title: Removal of Tarry Substances From Diesel Fuels by the Method of

Adsorption Chromatography

Original

Tr. Vses. soveshch. po khimii i pererabotke nefti (18-24 sen. 1951). Publication:

Baku, izd. AN AzSSR, 1953, 80-90

Abstract: No abstract

Card 1/1

TOPCHIYEV, A.V., akademik; SERGIYENKO, S.R.; SANIN, P.I.

S.S.Nametkin, an outstanding Soviet scientist. Trudy po ist.tekh.

(MIRA 7:5)

no.3:3-29 153.

(Nametkin, Sergei Semenovich, 1876-1950) (Petroleum products--Analysis)

SERGIYENKO, S.R.

S.V.Lebedev, developer of artificial rubber. Trudy po ist. tekh.

(MLRA 7:5)

10.3:51-62 '53.

(Lebedev, Sergei Vasil'evich, 1874-1934)

SERGIYENKO, S. R.

Scientific Principles of Refining the High Molecular Fraction of Petroleum Izv. AN AZSSR, No 9, 1953, pp 3-16

Discusses problems encountered in improving the efficiency of oil refining and in raising yields of light-colored petroleum products by including the high molecular-fraction in the refining. The processes of preparing the oil for refining and separation into chemically homgeneous fractions (tarry products, aromatic hydrocarbons, etc.) play an especially important role. (RZhKhim, No 21, 1954)

SO: Sum. No. 639, 2 Sep 55

SERGIYENKO, S.R.

Forerunners of petroleum distillation in Russia and the beginning stages of its development. Isv.AN SSSR Otd.tekh.nauk. no.11:1649-1659 H '53.

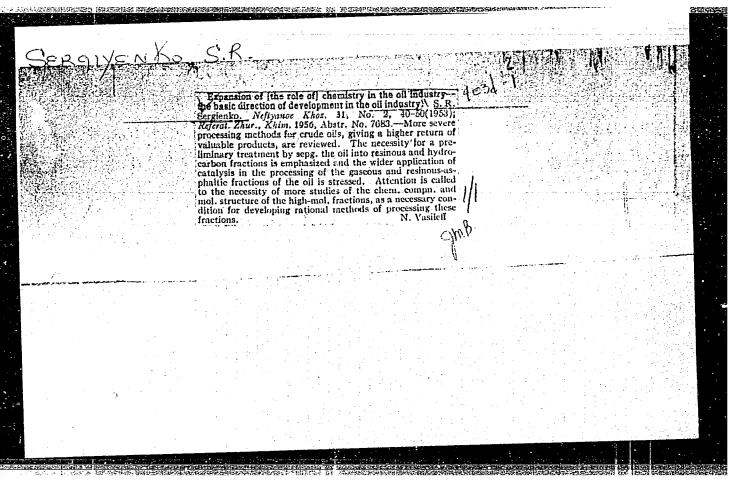
(MLRA 6:12)

1. Predstavleno akademikom A.V.Topohiyevym.

(Petroleum--History) (Turpentine industry--History)

Fuel Abstracts
Vol. XV. No. 2
Pab. 1954
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Sources, Properties
and Trestments

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Fig. 2759. Papers by over forty authors, directed towards coordinating plans
Sources, Properties
and Trestments



ZHDANOVA, N.V.; TOPCHIYEV, A.V. akademik. SERGIYENKO, S.R.; Conversions of diene compounds in the presence of oxide catalysts. Con-

versions of 2,3-dimethylbutadiene-1,3 over aluminosilicate. Dokl.AM SSSR 90 no.5:803-806 Je '53.

(Diene compounds) 1. Akademiya nauk SSSR (for Topchiyev).

CIA-RDP86-00513R001548120010-9" APPROVED FOR RELEASE: 08/23/2000